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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/810,598	03/29/2004	Toshio Masuda	520,39649CX3	9708
20457	7590 05/06/2005		EXAMINER	
ANTONELLI, TERRY, STOUT & KRAUS, LLP			KACKAR, RAM N	
1300 NORT SUITE 1800	H SEVENTEENTH STRE)	ET	ART UNIT	PAPER NUMBER
ARLINGTO	N, VA 22209-3873		1763	
			DATE MAILED: 05/06/200	5

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary The MAILING DATE of this communication of the seriod for Reply	PLY IS SET TO EXPIRE <u>3</u> I N.	·	**************************************
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1) Responsive to communication(s) filed on 24 2a) This action is FINAL . 2b) ⊠ T			
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isposition of Claims			
4)⊠ Claim(s) <u>1-23</u> is/are pending in the applicati			
4a) Of the above claim(s) is/are without	rawn from consideration.		
5) Claim(s) is/are allowed.			
6) Claim(s) 1-23 is/are rejected.			
7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and	d/or election requirement	•	
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9)☐ The specification is objected to by the Exam	iner.		· :
10) The drawing(s) filed on $\underline{24 \ January \ 2005}$ is/a	are: a)⊠ accepted or b)□	objected to by the Examiner	•
Applicant may not request that any objection to t	• • • • • • • • • • • • • • • • • • • •	` '	:
Replacement drawing sheet(s) including the corn 11) The oath or declaration is objected to by the			• •
riority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) ☐ All b) ☐ Some * c) ☐ None of:	gn priority under 35 U.S.C.	§ 119(a)-(d) or (f).	
1.⊠ Certified copies of the priority docume	ents have been received.		•
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Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948)		Summary (PTO-413) (s)/Mail Date	
Information Disclosure Statement(s) (PTO-1449 or PTO/SB/0	(18) 5) Notice of	Informal Patent Application (PTO-1	52)
Paper No(s)/Mail Date	6) Other:	<u></u> ·	
Patent and Trademark Office DL-326 (Rev. 1-04) Office	Action Summary	Part of Paper No./Mail	Date 0405

Application/Control Number: 10/810,598

Art Unit: 1763

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

1. Claims 1-23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Moslehi (US 5846883) in view of Grimbergen et al (US 6390019).

Moslehi discloses a vacuum (Abstract) plasma processing chamber (Fig 11), substrate holder (Fig 22) to hold a substrate for processing, electric conductive member (Fig 2 172-174 and Fig 8 328) supplied with electric power to generate plasma (Fig 6 313), a plate disposed above the sample loading surface coupled to electric conductive member (Fig 1 106), a cylindrical shaped optical transmitter mounted on the conductor member and plate (110) to provide optical view port for multitude of sensors (Col 4 lines 40-54), a holder to hold the optical transmitter with a seal for the optical transmitter (200).

Application/Control Number: 10/810,598

Art Unit: 1763

Moslehi does not disclose that the light from the processing chamber for the purpose of reaching the sensor at the back of the optical transmitter goes through at least one through hole.

Grimbergen et al disclose a process chamber (Fig 1-35) and disclose optical transmitter (135) with through holes to allow light for the sensor (Fig 1-160 or Fig 2-25) to pass through holes (145), which allow the light to reach the sensor and reduce the possibility of deposition on the phase of the optical transmitter (Col 8 lines 35-43). Grimbergen et al teach that the aspect ratio of through holes depends upon particular process (Col 10 line 65- Col 11 line 2) and could be 12 (Col 10 lines 1-9).

Therefore it would have been obvious for one of ordinary skill in the art at the time of invention to have through holes in front of optical transmitter in order to have a longer use before cleaning or replacement by reducing the possibility of unwanted deposition.

Response to Amendment

Applicant's arguments filed 1/24/2005 have been fully considered but they are moot in view of new grounds of rejection.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. US 6159297 to Herchen et al discloses optical transmitter mounted through the conductive members to generate plasma.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ram N. Kackar whose telephone number is 571 272 1436. The examiner can normally be reached on M-F 8:00 A.M to 5:P.M.

Application/Control Number: 10/810,598

Art Unit: 1763

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Parviz Hassanzadeh can be reached on 571 272 1435. The fax phone number for the

Page 4

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR. system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ram Kackar